

## CLAIMS

We claim:

1. An isolated polypeptide comprising fifteen contiguous amino acid residues of a polypeptide as shown in SEQ ID NO:M, wherein M is an even integer from 2 to 328.

2. The isolated polypeptide of claim 1 which is from 15 to 723 amino acid residues in length.

3. The isolated polypeptide of claim 2, wherein said at least fifteen contiguous amino acid residues of SEQ ID NO:M are operably linked via a peptide bond or polypeptide linker to a second polypeptide selected from the group consisting of maltose binding protein, an immunoglobulin constant region, a polyhistidine tag, and a peptide as shown in SEQ ID NO:329.

4. The isolated polypeptide of claim 1 comprising at least 30 contiguous residues of SEQ ID NO:M.

5. The isolated polypeptide of claim 1 comprising at least 47 contiguous residues of SEQ ID NO:M.

6. An isolated, mature protein encoded by a sequence selected from the group consisting of SEQ ID NO:N, wherein N is an odd integer from 1 to 327.

7. An isolated polynucleotide comprising a sequence of nucleotides as shown in SEQ ID NO:N, wherein N is an odd integer from 1 to 327.

8. An expression vector comprising the following operably linked elements:

a transcription promoter;

a DNA segment encoding a polypeptide as shown in SEQ ID NO:M, wherein M is an even integer from 2 to 328; and

a transcription terminator.

9. A cultured cell comprising the expression vector of claim 8.

10. A method of producing a polypeptide comprising culturing the cell of claim 9 under conditions whereby said sequence of nucleotides is expressed, and recovering said polypeptide.

11. A polypeptide produced by the method of claim 10.

12. An isolated polynucleotide encoding a fusion protein, said protein comprising a secretory peptide selected from the group consisting of secretory peptides shown in Table 1, operably linked to a second polypeptide.

13. An expression vector comprising the following operably linked elements:

a transcription promoter;

a DNA segment encoding a fusion protein, said protein comprising a secretory peptide selected from the group consisting of secretory peptides shown in Table 1, wherein M is an even integer from 2 to 328, operably linked to a second polypeptide; and

a transcription terminator.

14. A cultured cell comprising the expression vector of claim 13, wherein the cell expresses the DNA segment and produces the encoded fusion protein.

15. A method of producing a protein comprising culturing the cell of claim 14 under conditions whereby said DNA segment is expressed, and recovering said second polypeptide.

16. A computer-readable medium encoded with a data structure comprising SEQ ID NO:X, wherein X is an integer from 1 to 328.

17. An antibody that specifically binds to a protein selected from of the group consisting of SEQ ID NO:M, wherein M is an even integer from 2 to 328.

18. An isolated polypeptide comprising fourteen contiguous amino acid residues of a polypeptide as shown in SEQ ID NO:M, wherein M is an even integer from 2 to 328.

